

Maestro™

The Maestro™ is our ultimate onsite device for high impact, innovative and immersive visitor experiences. Beautifully designed, packed with innovative features and robustly engineered for high-volume, all-day operations.

The Maestro™ features include: HD quality 5.5" touchscreen for speedily delivered content, full range of the Imagineear Precision Connect™ suite powered by ultra wideband for pin-point triggering, indoor positioning, navigation and 100% syncing accuracy, WIFI for wireless updates and analytics, a battery which guarantees all day performance, front and back cameras which, combined with the Maestro™'s ultimate 6-in-1 comms chipset, support truly immersive AR experiences and TourBuilder Plus™, our onboard content management software, to easily and quickly control and creatively present tour content.

The device works hard not only for your visitors but also your staff. By integrating our innovative Multimedia GroupGuide™ software, Maestro™ enables tour guides to speak to their group and trigger multilingual content without the need for additional kit.

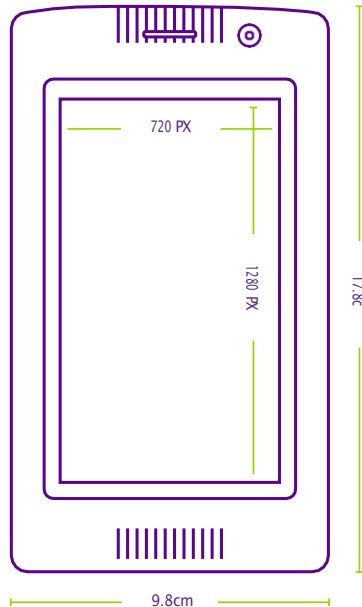


Overview

- Beautifully designed, intuitive, robustly engineered Android based device
- Large 5.5" capacitive IPS, HD resolution, antiglare, scratch and shock resistant screen
- Integral HD back camera as standard, optional front camera and visual recognition technology, supporting augmented reality and content triggering
- TourBuilder Plus™ onboard CMS software, fully backwards-compatible with our other device platforms.
- Versatile Android operating system with 6-in-1 connectivity chip including Wifi, Bluetooth & GPS supports truly immersive AR experiences
- PrecisionConnect™ suite powered by ultra wideband for pin-point triggering, indoor positioning, navigation and 100% syncing accuracy
- Compatible with Imagineear's groundbreaking Multimedia GroupGuide™ system giving guides the ability to trigger multimedia content to group visitors
- Robust design, purpose built for mass distribution and repeat rental, all day every day
- Fully optimised long-life battery which guarantees all day performance, for seamless logistics
- In-built alarm system to effectively manage security
- Long battery life, modular charging units and stereo headphones for seamless logistics
- In-built alarm system to effectively manage security

Technical Specifications

Maestro



PHYSICAL

Weight 334g
Length 17.8cm
Width 9.8cm
Depth 1.4 cm

Fastening: Loop slot for lanyard
Headset Jack Socket: 1x3.5 mm
Protection: Rubber coating to sustain repeated use

SCREEN

Size: 5.5" screen, 16:9 ratio

Type: Capacitive In-Plane vSwitching (IPS) with wide viewing angle and active touch panel. Antiglare, sufficiently bright for use outside in normal conditions.

Protection: Shock/scratch resistant
IPS Resolution: 720x1280, 5.5": 267 ppi

IPS Luminance: > 350 cd/m²

Brightness : Controlled via Android
LCD: Off when in standby mode during charging. LCD restored to default brightness when undocked.

HARDWARE

Processor: Octocore processor
RAM: 2GB DDR
Flash Memory: 32GB, directly accessible via USB.
Micro-SD Socket: Yes, secured access from inside player
Charging and Data Connection: Modular, via 1×OTG USB 2.0 USB-C connector
Speaker: External
Alarm: Yes
Turning Device on/off: Special sequence of key presses required
Power-Saving Mode: Automatic, after adjustable period of idle activity

SOFTWARE

Platform: Android 9.0, API level 28 with root access
Restoring Default settings: Ability to perform hardware/factory reset
Flash/SD Memory: Treated as MTP devices [Win/macOS]
Playback: Landscape or portrait

BATTERY

Battery: Li-ion 7600mAh with integral 4.1VDC overcharge protection cut off chip
Charging: Via USB-C, 5 VDC. Fully charged within 6hrs.
Charging status (LED) indicator visible when charging using rack
Continuous Playtime: >8 hrs minimum
Discontinuous Playtime: >16 hrs, under normal usage conditions
Battery Life: Minimum 750 charge cycles.
Replacement recommended there after
Low Battery Level warning: Yes

COMPLIANCE

Device: CE, ROHS and FCC article 15, Class C compliance
Battery: Passes Part III, Sub-Section 38.3 of the UN Manual of Tests and Criteria.

Battery shipments comply with:

IATA shipping rules
UN3480/1, PI965/966/967

CONNECTIVITY

Wi-Fi: 802.11 a/b/g/n/ac (wave II)
Bluetooth: 5.0 incl BTLE
GPS: With A-GPS support
Connect: Alarm/data channel
FM: Radio with headset cable as antenna

Technical Specifications

Charging Rack



PHYSICAL

Slots/Rack	10 Players
Height	29.5cm
Width	15.3cm
Depth	15cm
Weight	2.4kg
Colour	Black

FUNCTIONAL

Inter-connectivity: Modular, stackable vertically or horizontally
Data Connections: USB 2.0 high speed (480 Mbps) for each port (internal 11-port USB 2.0 HUB) 1x mini-USB output (PC or other rack)

POWER SUPPLY

Input Power: 90~240 VAC
Output Power: 5 VDC, 13A, 65 Watt
Power Connector: IEC 3-pin male female, cascading, one per horizontal row
Power Charging: 5 VDC, 1300 mA per port
Fuse: 1000mA, per charger

COMPLIANCE

Certification: CE, ROHS, WEEE, FCC (Class A)

Technical Specifications

Headphones

PHYSICAL

Type: Behind-the-neck
Weight: 46g
Colour: Black

FUNCTIONAL

Nominal impedance: 32 Ohms
Frequency: 20hz-20Khz (-10 dB/1 kHz)
Ear Cover: Removable and washable foam pads
Connector: 3.5mm stereo jack
Cable: 90cm, fully detachable

COMPLIANCE

Certification: Certification: CE, WEEE
Imagineear can source and provide alternative headset models, including in-ear earbuds